

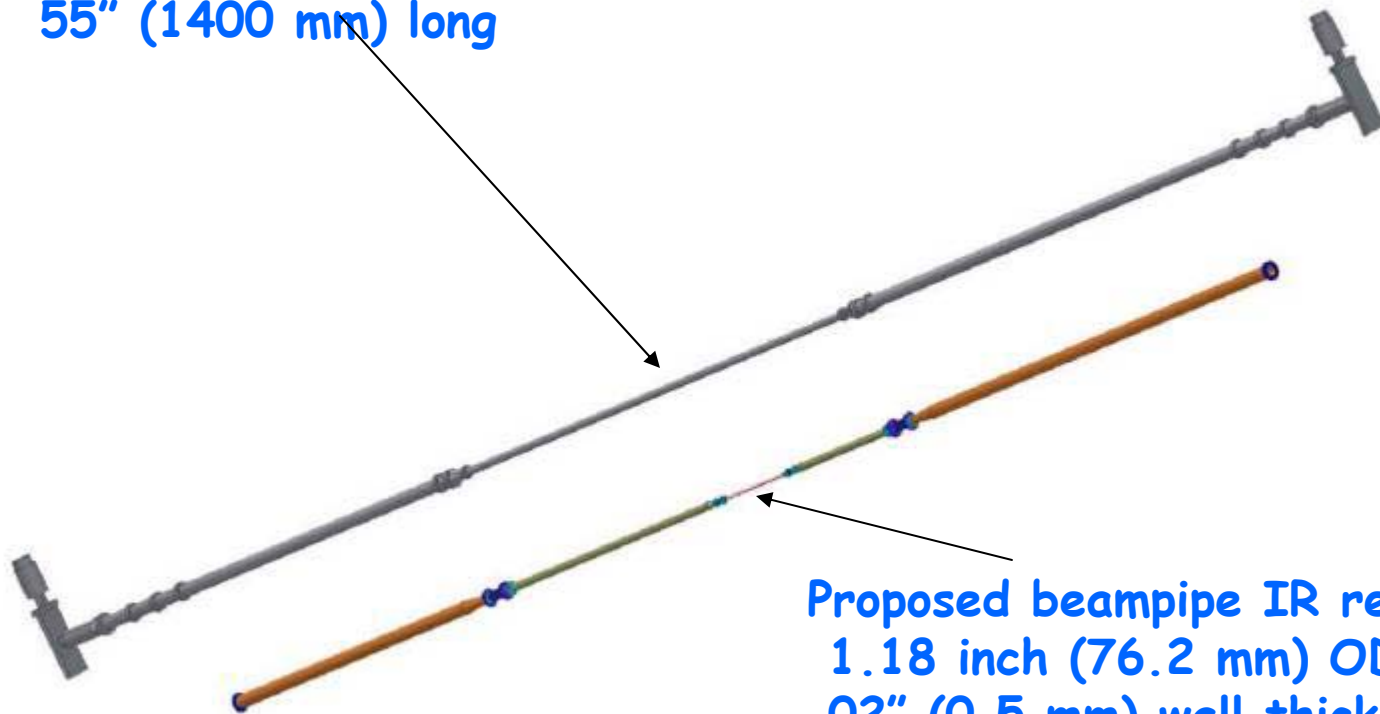
# PHENIX Central Region Upgrades

## Proposed Beampipe Upgrade

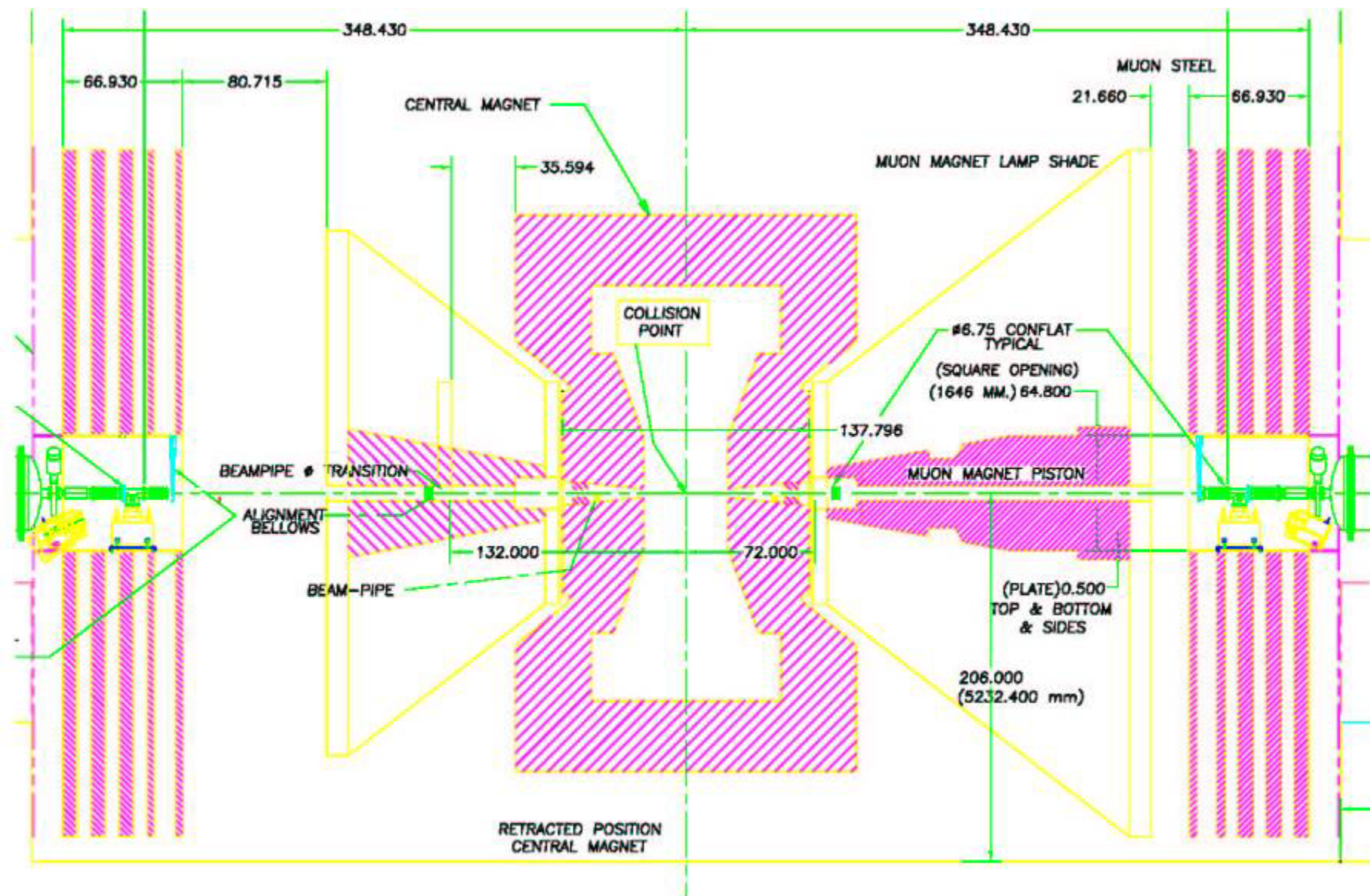
Don Lynch

March 28, 2006

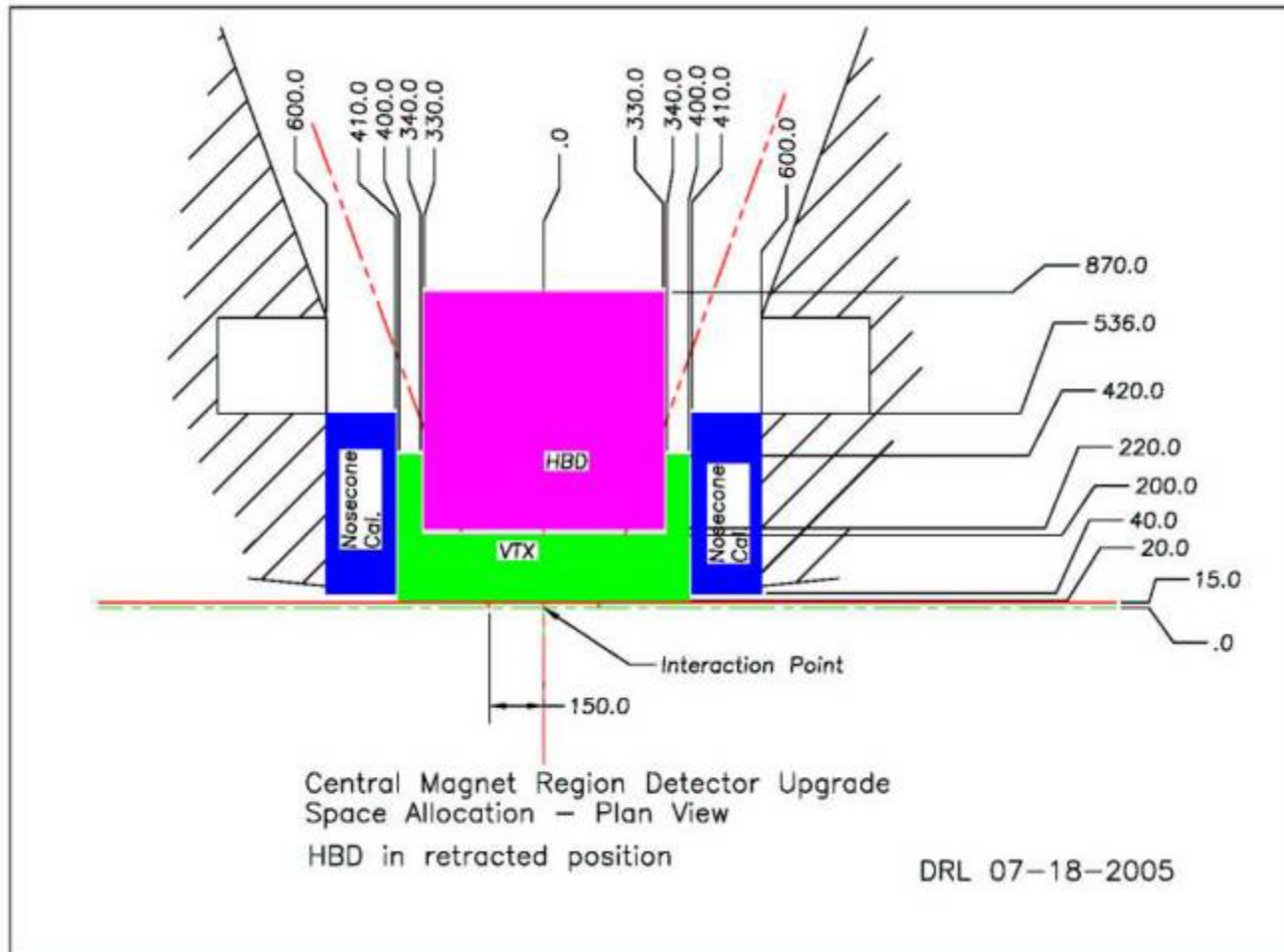
Current beampipe IR region:  
3inch (76.2 mm) OD Be section,  
.04" (1 mm) wall thickness  
55" (1400 mm) long



Proposed beampipe IR region:  
1.18 inch (76.2 mm) OD Be section,  
.02" (0.5 mm) wall thickness  
55" (800 mm) long



# CM Region Space Allocation

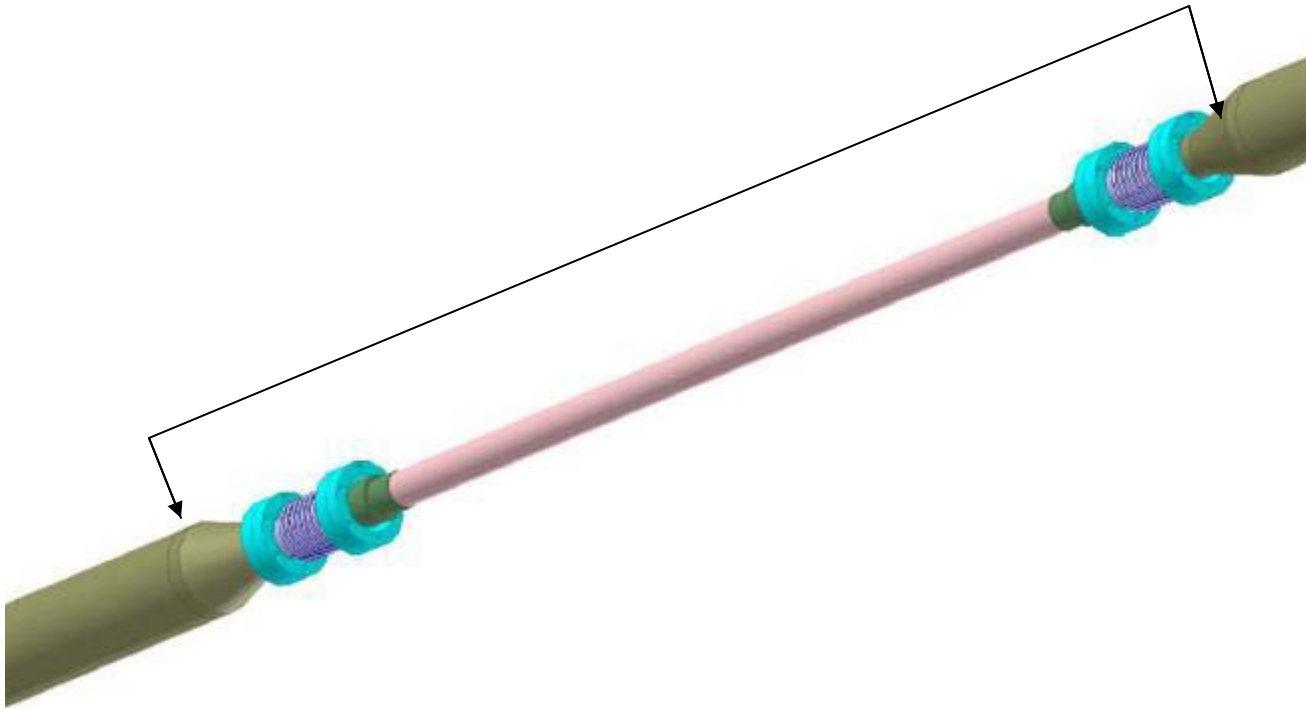


Current beampipe Be brazed  
to St/St in a continuous OD  
of 3.0"



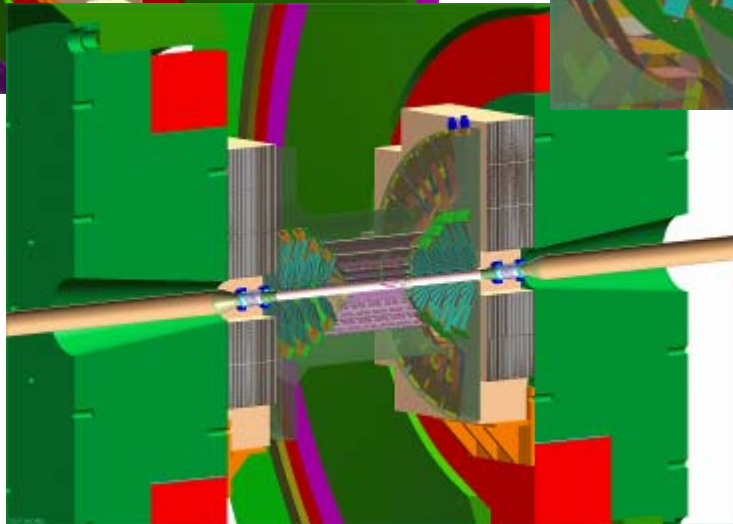
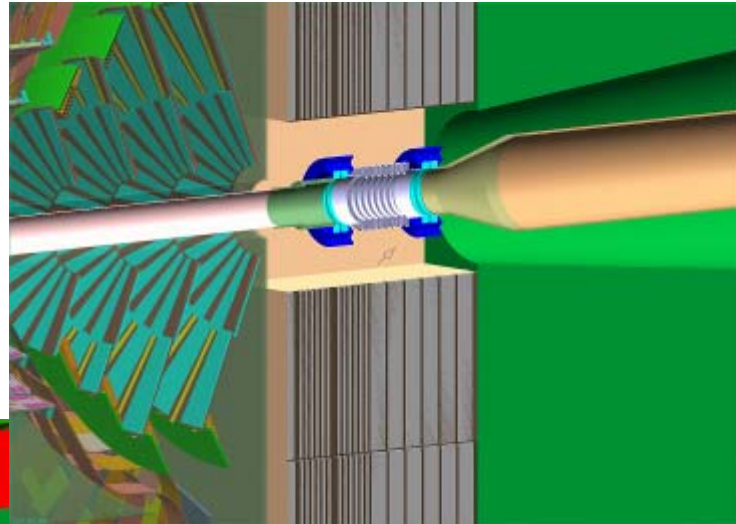
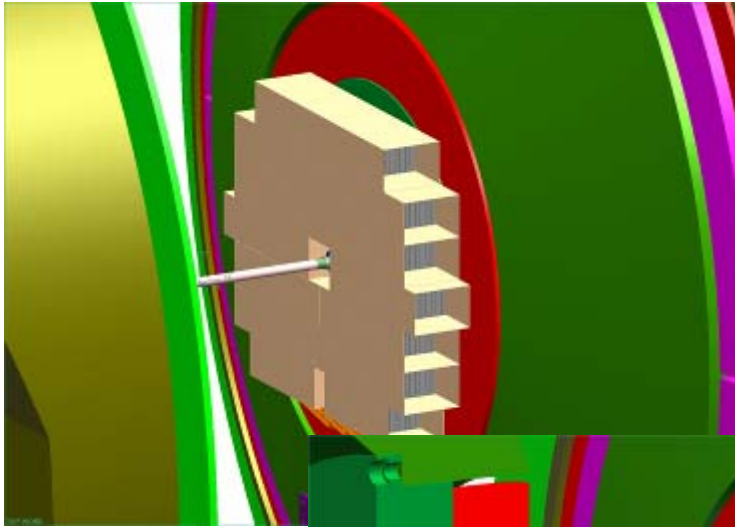
Proposed beampipe slices  
continuous central section into 3  
pieces with intermediate bellows

Proposed beampipe will require protective  
"strongback" For maintenance CM moves.  
Strongback spans central Be section and bellows  
while maintaining 3" OD





# New Beampipe for Upgrades



*A concept discussed between Jan Boissevain of LANL and D. Lynch of BNL. Requires suport built in to NCC and temporary isolating support to move CM.*